



ORC
Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **057/20**
Issued On **29/09/2020**
ORC Ref **02920000R0C**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 494kg
Maximum **510kg**
Minimum* **383kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	680.6	0.8816
Non Spin OSN	661.0	0.9077

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes 76.80**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

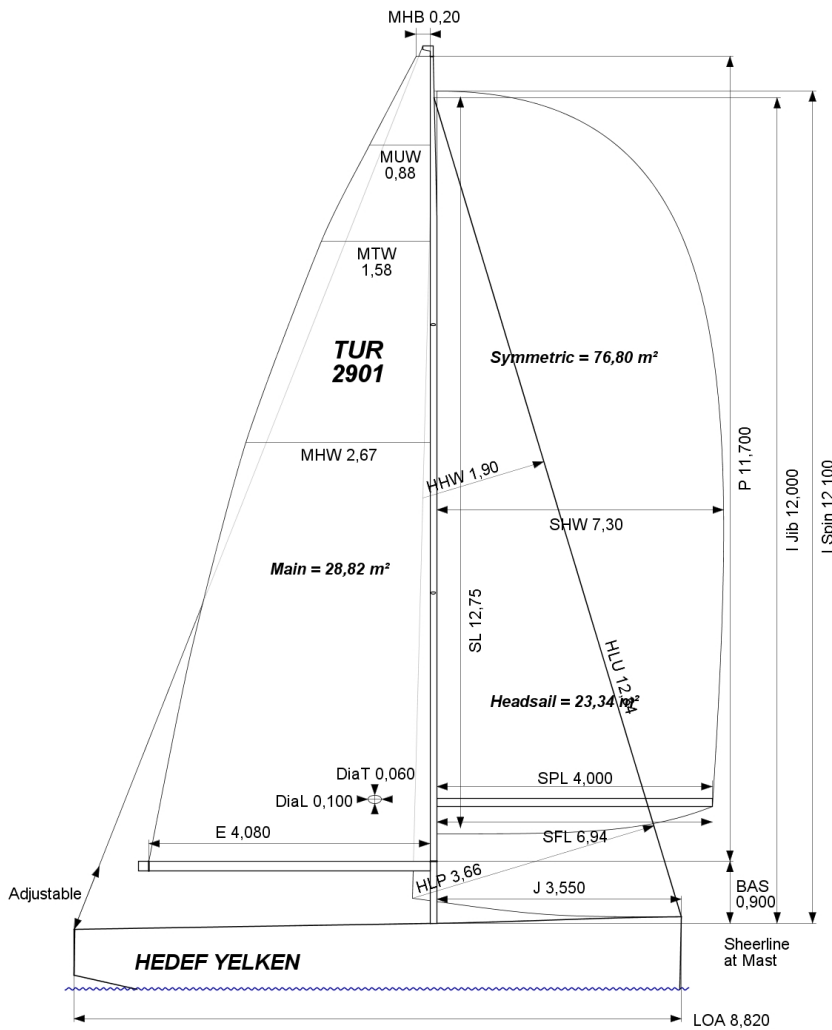
Class Division Length

CDL = 8.102

Stability (Estimated)

Limit Positive Stab.: **140.8°**
Stability Index: **142.1**

Owner



BOAT		GPH	HULL			
Name Hedef Yelken Sail Nr TUR-2901		645.5	Data File TUR2901	LOA 8.820m		
CLASS			Offset File corby29.off	MB 2.826m		
Class Corby 29			Displacement 3,352kg	Draft 2.031m		
Designer Corby			IMS Division Cruiser/Racer	Dynamic All. 0.068%		
Builder			Plan Review	Construction Solid		
Series 01/2008			Fiber Rigging No	Aramid Core No		
Age Date 01/2008			Crew Arm Ex	Carbon Rudder No		
Age Allowance 0.390%				Light Stanchions No		
COMMENTS			IMSL 8.207m	VCGD -0.276m		
			RL 7.995m	VCGM -0.275m		
			LSM0 7.920m	Displacement/Length ratio 6.7473		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Strut	PRD 0.360		N/A			
Type Folding 2 blades	PIPA 0.0005					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	628.7			695.3		
Time on Time	0.9544			0.9709		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	724.0	576.4	519.8	928.0	696.1	613.4
Time on Time	0.9323	1.1710	1.2987	0.7274	0.9697	1.1005

2020

ORC Club Certificate Appendix

BOAT	
Name	Hedef Yelken
Sail Nr	TUR-2901
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1050.2	877.5	783.5	746.8	731.2	723.8	707.3
52°	697.5	594.5	554.5	538.0	531.0	527.4	520.6
60°	661.7	575.1	543.1	526.9	518.0	513.3	508.1
75°	635.2	562.1	534.3	516.0	501.4	490.5	481.2
90°	643.7	558.1	530.3	512.3	494.0	476.9	451.5
110°	637.9	548.0	515.2	490.9	476.0	463.0	440.2
120°	654.6	554.2	518.4	490.1	462.9	444.8	420.1
135°	720.0	588.6	535.7	507.0	478.6	450.6	394.4
150°	857.4	688.0	583.3	534.3	507.8	481.6	430.4
Run VMG	990.0	794.4	671.9	597.4	547.4	518.7	469.0
Selected Courses							
Windward / Leeward	1020.1	835.9	727.7	672.1	639.3	621.3	588.2
Circular Random	873.9	712.2	627.2	578.8	549.0	528.8	499.5
Coastal / Long Distance	1017.1	787.5	663.3	597.6	560.8	532.0	483.0
Non Spinnaker	937.5	756.8	660.3	604.4	570.1	547.1	515.3

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	41.4°	40.5°	39.0°	37.5°	37.1°	36.8°	36.2°
Beat VMG	3.43	4.10	4.59	4.82	4.92	4.97	5.09
52°	5.16	6.06	6.49	6.69	6.78	6.83	6.91
60°	5.44	6.26	6.63	6.83	6.95	7.01	7.09
75°	5.67	6.40	6.74	6.98	7.18	7.34	7.48
90°	5.59	6.45	6.79	7.03	7.29	7.55	7.97
110°	5.64	6.57	6.99	7.33	7.56	7.78	8.18
120°	5.50	6.50	6.94	7.35	7.78	8.09	8.57
135°	5.00	6.12	6.72	7.10	7.52	7.99	9.13
150°	4.20	5.23	6.17	6.74	7.09	7.47	8.37
Run VMG	3.64	4.53	5.36	6.03	6.58	6.94	7.68
Gybe Angles	146.0°	149.0°	151.5°	161.0°	180.0°	180.0°	180.0°